

Exhibit 7

1 IN THE UNITED STATES DISTRICT COURT

2 CENTRAL DISTRICT OF CALIFORNIA

3
4
5 NEUROGRAFIX, a California)
6 corporation; WASHINGTON RESEARCH)
7 FOUNDATION, a not-for-profit)
8 Washington corporation,)

9 PLAINTIFFS,) CASE NO.

10 VS.) CV 10-1990 (MRP) (RZX)

11 SIEMENS MEDICAL SOLUTIONS USA,)
12 INC., a Delaware corporation and)
13 SIEMENS AKTIENGESELLESCHAFT, a)
14 German corporation,)

15 DEFENDANTS.)

16 _____)
17 AND RELATED CROSS ACTION)

18 _____)
19

20 VIDEOTAPED DEPOSITION OF AARON G. FILLER, M.D.

21 LOS ANGELES, CALIFORNIA

22 FEBRUARY 22, 2011

23
24 REPORTED BY: CHRISTY A. CANNARIATO, CSR #7954, RPR, CRR

25 JOB NO.: 36551

1

2

3

4

5

6

7

February 22, 2011

8

9:03 a.m.

9

10

11

12

13

Deposition of Aaron G. Filler, M.D., taken on

14

behalf of Defendants, held at the offices of

15

Russ, August & Kabat, 12424 Wilshire Boulevard,

16

Suite 1200, Los Angeles, California, before

17

Christy A. Cannariato, CSR #7954, RPR, CRR.

18

19

20

21

22

23

24

25

A P P E A R A N C E S

REPRESENTING THE PLAINTIFF AND THE WITNESS:

RUSS, AUGUST & KABAT

BY: MARC FENSTER, ESQ.

12424 WILSHIRE BOULEVARD

LOS ANGELES, CALIFORNIA 90025

REPRESENTING THE DEFENDANTS:

KIRKLAND & ELLIS

BY: GREGG LOCASCIO, ESQ.

BY: SEAN M. McELDOWNEY, ESQ.

655 FIFTEENTH STREET, N.W.

WASHINGTON, D.C. 20005

ALSO PRESENT:

MICHAEL MOSELEY, Ph.D.

DARREN SIRKIN, THE VIDEOGRAPHER

I N D E X

EXAMINATION BY	PAGE
MR. LoCASCIO.....	8

EXHIBITS

EXHIBIT DESCRIPTION	PAGE
Exhibit 11	
United States Patent 5,560,360.....	34
Exhibit 12	
Expert Report Related to Construction of Dr. Aaron Filler, M.D.....	175
Exhibit 13	
Rebuttal Expert Report of Dr. Aaron Filler, M.D. To the Expert Report of Michael E. Miseley Concerning-- Patent No. 5,560,360.....	36
Exhibit 14	
Single page with Equation of Conspicuity.....	96

EXHIBITS

EXHIBIT DESCRIPTION	PAGE
Exhibit 15	
Expert Report of Michael E. Moseley Concerning	
U.S. Patent No. 5,560,360.....	99
Exhibit 16	
Plaintiff Neurografix's Disclosure of Asserted Claims	
and Infringement Contentions.....	124
Exhibit 17	
Plaintiffs Neurografix and Washington Research	
Foundation's Preliminary Claim Constructions.....	135
Exhibit 18	
Amendment and Request for Reconsideration.....	178
Exhibit 19	
MR Imaging of Anisotropically Restricted Diffusion of	
Water in the Nervous System: Technical Anatomic, and	
Pathologic Considerations, by Joseph V. Hajnal, et al.,	
Journal of computer Assisted Tomography 15:(1)1-18,	
January/February 1991.....	178

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

QUESTIONS INSTRUCTED NOT TO ANSWER

Page 124, Line 24

1 Los Angeles, California; Tuesday, February 22, 2011

2 9:03 a.m.

3

4

5 THE VIDEOGRAPHER: Good morning.

6 This is the start of tape labeled No. 1 of the

7 videotaped deposition of Aaron Filler in the matter

8 Neurografix versus Siemens in the US District Court,

9 Central District of California, Case No. CV 10-19990

10 (MRP) (RZX).

11 This deposition is being held at 12424

12 Wilshire Boulevard, Santa Monica, California, on Tuesday,

13 February 22nd, 2011 at approximately 9:03 a.m.

14 My name is Darren Sirkin from TSG Reporting.

15 The court reporter is Christy Cannariato also in

16 association with TSG.

17 Counsel, would you please introduce

18 yourselves.

19 MR. LoCASCIO: Gregg LoCascio and Sean

20 McEldowney from Kirkland & Ellis, LLP on behalf of the

21 Defendants. In attendance is Dr. Michael Moseley.

22 MR. FENSTER: Marc Fenster with Russ, August &

23 Kabat on behalf of Neurografix and the witness.

24 THE VIDEOGRAPHER: Thank you. Will the court

25 reporter please swear in the witness.

1 AARON G. FILLER, M.D.,
2 having first been duly sworn, was
3 examined and testified as follows:
4

5 EXAMINATION

6 BY MR. LoCASCIO:

7 Q. Good morning, Dr. Filler.

8 A. Good morning.

9 Q. Have you been deposed before?

10 A. Yes.

11 Q. And roughly tell me how many times.

12 A. About 250, 300 times.

13 Q. What context generally were those depositions
14 in?

15 A. They were mostly medical sort of personal
16 injury, med-mal. Some of them are expert, mostly relating
17 to medical imaging in some ways.

18 Q. In any of them were you a named party?

19 A. Yes, I've been a named party a few times.

20 Q. Were you ever the plaintiff or were you always
21 the defendant in those cases?

22 A. Both.

23 Q. Can you just tell me briefly in what context
24 you've been a plaintiff, sir, other than this case?

25 MR. FENSTER: You mean him personally?

1 talks about various types of sequences, T2, CHES.
2 Whether that's something he invented or the art is germane
3 to what those terms mean under the spec, Marc.

4 MR. FENSTER: Okay.

5 MR. LoCASCIO: This isn't an exercise in, you
6 know, someone else invented it. The questions for
7 validity, I agree, Marc are for another day.

8 Q. BY MR. LoCASCIO: Dr. Filler, is there someone
9 who is the inventor/pioneer/originator, whatever term you
10 want to put to it, of the T2 weighted sequence?

11 A. Well, you know, I have that article about the
12 history of computational imaging, and I go through the
13 history of MMR. I don't know if you've had a chance to
14 read it, but that goes back into the MMR period back into
15 the 1950s. And it may be in my paper I say in that paper
16 I say specifically who first used T2 weighted sequences.

17 But that was very early on as they understood
18 the T1 and T2 decay and then how to run different MMR
19 experiments that, you know, preferentially showed off the
20 decay from -- the T1 effects versus the decay from the T2
21 effects.

22 Q. In short, sir, you agree with me that you
23 didn't come up with fat suppression sequences?

24 A. No.

25 Q. Did you come up with fat suppression

1 sequences? My question was in the negative, and you
2 answered no, so that's why I've reasked it. Withdrawn.

3 Did you invent using a fat suppression
4 sequence in an MRI machine?

5 MR. FENSTER: Objection. Vague.

6 A. I did not invent -- you asked me did I invent
7 using fat suppression in MRI machines, and the answer is
8 no.

9 Q. Okay. Did you invent using diffusion
10 weighting sequences?

11 MR. FENSTER: Objection. Vague.

12 A. I did not invent using diffusion weighting in
13 an MRI machine. No.

14 Q. Did you invent using something called long T2
15 processing in an MRI machine?

16 A. No.

17 Q. Do you believe you were the first to combine
18 any of those techniques?

19 MR. FENSTER: Objection. Vague.

20 A. I was the first to combine them in the way the
21 patent discloses in order to increase the conspicuity of
22 nerve. Or our group. When I say I, I can say
23 collectively our inventors.

24 Q. And what is, in your view, the way the patent
25 discloses combining those techniques to increase the

1 conspicuity?

2 A. Well, we provide several methods.

3 MR. FENSTER: Objection. Vague.

4 Go ahead.

5 Q. What are they?

6 A. Well, for fat suppression we use I think you
7 mentioned Dixon, a variety of inversion recovery type
8 sequences, as well as chemical shift selection sequences
9 for fat suppression.

10 Q. That's CHESS?

11 A. Yeah, chemical shift selection is the
12 classical version of the chemical shift method.

13 Q. And the acronym for that is CHESS?

14 A. Yes.

15 Q. You didn't come up with any of those; correct?

16 A. No.

17 Q. Same thing happened again.

18 Did you come up with any of those?

19 A. I didn't invent those pulse sequences. No.

20 Q. And do you believe, sir, that you were the
21 first to use those to image a nerve?

22 MR. FENSTER: Objection.

23 A. No, I didn't say that. I said that what we
24 did was to assemble them in such a way as to make the
25 nerve meet the conspicuity requirement. That's one of the

1 supporting cells are glia versus Schwann cells. There's
2 normally no fat at all inside the arachnoid. So fat
3 suppression is just not relevant. I mean, myelin is a
4 lipid, and you have myelin and some gli --
5 oligodendroglial cells as well as myelin in the Schwann
6 cells. But the fact that we talked about in fat
7 suppression is something that is an issue outside the
8 Obersteiner-Redlich transition zone.

9 Q. Sir, do you have the patent still in front of
10 you which I think is Exhibit 11? You can just look at the
11 copy of the patent you have sitting right there, sir. I
12 want to ask you just a couple quick questions.

13 The first one is if you can turn to Claim 1
14 for me, which is Column 37.

15 Are you there? There are various steps in
16 Claim 1. Agreed?

17 A. Yes.

18 Q. And some of those steps describe performing
19 some function; correct?

20 A. Yes.

21 Q. And with respect to the first three, (a), (b),
22 and (c), at a high level whenever you use an MRI machine,
23 do you expose on a living subject an in vivo region to a
24 magnetic polarizing field?

25 A. Well, you could do it on a nonliving subject.

1 Q. But, sir, do you always expose a region of the
2 subject to a magnetic polarizing field when you use an MRI
3 machine?

4 A. Yes.

5 Q. Do you always expose the region to an
6 electromagnetic excitation field when you use an MRI
7 machine?

8 A. Yes.

9 Q. Do you also sense the resonant response of the
10 in vivo image to the polarizing and excitation fields when
11 you use an MRI machine?

12 A. Yes.

13 Q. And then, I take it, the whole point of the
14 use of an MRI machine would be to produce some output
15 indicative of that resonant response. Agreed?

16 A. Yes.

17 Q. Okay. And so those steps, those three or four
18 steps I just walked through, that's basically using an MRI
19 machine. Fair?

20 A. Well, from a certain point of view. I mean, I
21 think the steps play a certain technical role in the
22 construction of the claim which we may come back to with
23 your subsequent questions, but those reflect three
24 fundamental aspects of the operation of an MRI scanner.

25 Q. Okay. Step (d) on Claim 1 says "controlling

1 the performance of steps (a), (b), and (c). (a) being
2 exposing the region to the magnetic polarizing field (b)
3 being exposing it to an electromagnetic excitation field
4 and (c) sensing the resonant response in producing an
5 output.

6 And it goes on to say, "to enhance any output
7 produced the selectivity of said nerve while the nerve is
8 living in the in vivo region of the subject." Did I read
9 (d) correctly?

10 A. You did.

11 MR. FENSTER: Objection. Misstates the claim.

12 Q. Step (d), what function does step (d) perform?
13 Is it to enhance the selectivity of the nerve? Is that
14 the function of step (d)?

15 MR. FENSTER: Objection. Vague.

16 Q. You're controlling these first three to do
17 something, and that's kind of what I want to know from
18 you. What are you doing with the control of steps (a),
19 (b), and (c)? What's the act?

20 A. Well, that would be the execution of a pulse
21 sequence.

22 Q. That's the what (d) is?

23 A. Yes.

24 Q. And the pulse sequence, sir, performs the
25 function of enhancing any output that produced the

1 and the structures that relate to a means plus function
2 language.

3 Q. All of which goes to terms that involve
4 something called the processing means; correct?

5 MR. FENSTER: That's not true. Misstates the
6 document.

7 Q. Okay. Dr. Filler, let me ask you another
8 question, sir, not with reference to the document.

9 A. Okay.

10 Q. Your patent discloses use of a computer to
11 perform various processing tasks; correct?

12 A. Yes.

13 Q. And that computer requires software
14 instructions to do those tasks; correct?

15 A. Yes.

16 Q. And those software instructions, sir, are not
17 provided in the specification; correct?

18 A. No, I wouldn't say that. I mean, I never said
19 that.

20 Q. You believe for some of the processing means
21 language there are specific algorithms or instructions to
22 set forth the software instructions?

23 A. I think that everything you need to know is
24 disclosed in the specification if you bring skill in the
25 art. I think if an attorney tried to read the

1 specification and know what to do, he might have a hard
2 time. If you took someone skilled in the art, as we
3 describe, and then there's sufficient information to do
4 everything we describe and to know what to do with the
5 computers that we describe. Yeah, I think everything --
6 every single step, you know, was supported by algorithms.
7 The algorithms are sufficient.

8 Q. Just give me one second. Don't need to go
9 anywhere.

10 When we were looking at Claim 1 before, we
11 were looking at steps, (a), (b), (c), and (d). There was
12 an (e) which refers to processing the image, processing
13 the output to generate a data set. And then there's some
14 specifics that follow that. Any MRI machine, the use of
15 it, sir, before you even filed your patent application,
16 necessarily processed the output to generate a data set.
17 Correct?

18 A. Yes.

19 Q. And all of those machines, I take it, had some
20 software to instruct them how to do that; right?

21 A. Yes.

22 MR. LoCASCIO: At this point, Marc, I have no
23 other questions for Dr. Filler with respect to his report
24 as it relates to claim construction. Thank you very much.

25 THE VIDEOGRAPHER: We're going to go off the

1 record at 2:43 p.m. Thank you.

2 (Proceedings concluded.)

3 (Exhibit 18 marked for identification.)

4 (Exhibit 19 marked for identification.)

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 STATE OF CALIFORNIA)
2) SS
3 COUNTY OF LOS ANGELES)
4
5
6
7
8
9
10
11
12

13 I, the undersigned, declare under penalty of
14 perjury that I have read the foregoing transcript, and I
15 have made any corrections, additions or deletions that I
16 was desirous of making; that the foregoing is a true and
17 correct transcript of my testimony contained therein.

18 Executed this _____ day of _____, 20__, at
19 _____,
20 (City) (State)
21
22
23
24
25

AARON G. FILLER, M.D.